

FIG.1

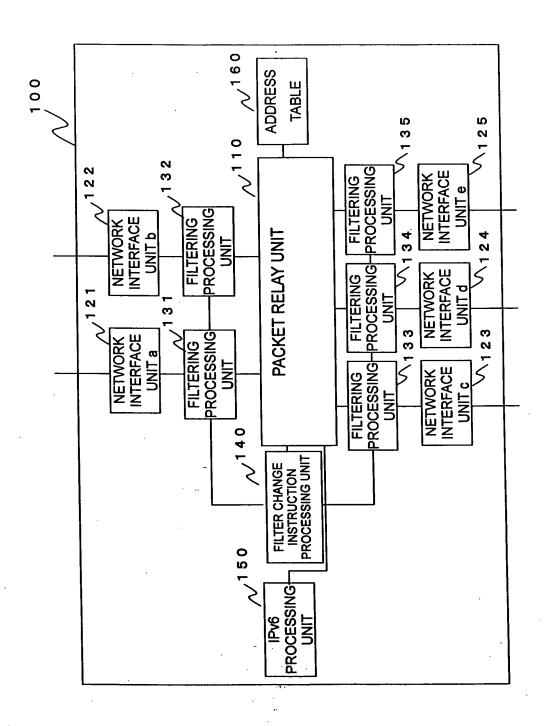


FIG.2

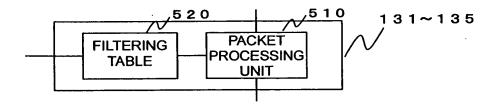


FIG.3

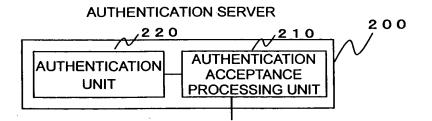
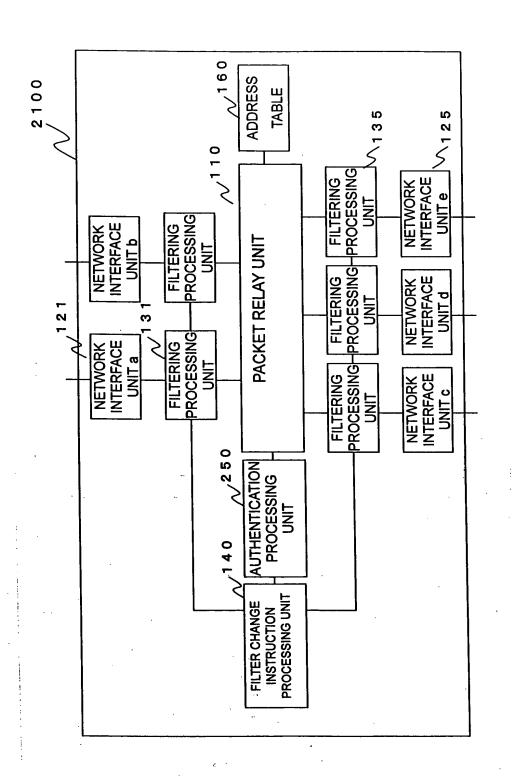


FIG.4



F.G.5

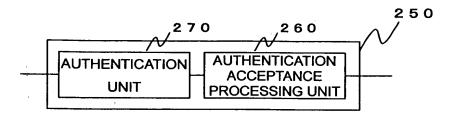


FIG.6

64 BITS

64 BITS

NETWORK ID	INTERFACE ID		
	24 BITS	16 BITS	24 BITS
•	MANUFAC-	FFFE	INDIVIDUAL
	TURER ID		ID

FIG.7

	/	520 √61	0 621	V ⁶²⁰	22 630
. [#	DESTINATION MAC	/√ SOURC	E ADDRESS /V	RELAY/DISCARD
		ADDRESS	MAC ADDRESS	IPv6 ADDRESS	FLAG
	1	22:22:00:11:11:11	ARBITRARY	ARBITRARY	RELAY
	2	22:22:00:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
	3	FF:FF:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
	4	ARBITRARY	ARBITRARY	ARBITRARY	DISCARD

FIG.8

	520			
	$\sqrt{}$ $\sqrt{}$ 6 1	621	\sim	623 / 630
	DESTINATION MAC	/V SOURCE	ADDRESS /V	RELAY/DISCARD
#	ADDRESS	MAC ADDRESS	IPv6 INTERFACE ID	FLAG
1	ARBITRARY	22:22:FF:00:00:01	2222:FFFF:FE00:1	RELAY
2	22:22:00:11:11:11	ARBITRARY	ARBITRARY	RELAY
3	22:22:00:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
4	FF:FF:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
5	ARBITRARY	ARBITRARY	ARBITRARY	DISCARD

FIG.9

161	V 162	160
MAC ADDRESS	NETWORK INTERFACE UNIT	
22:22:00:11:11:11	С	
22:22:FF:22:22:22	d	
22:22:00:FF:FF:FF	X	
FF:FF:FF:FF:FF	×	

FIG.10

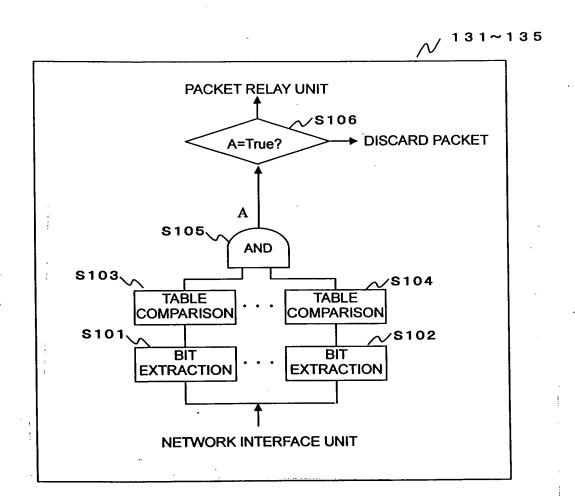


FIG.11

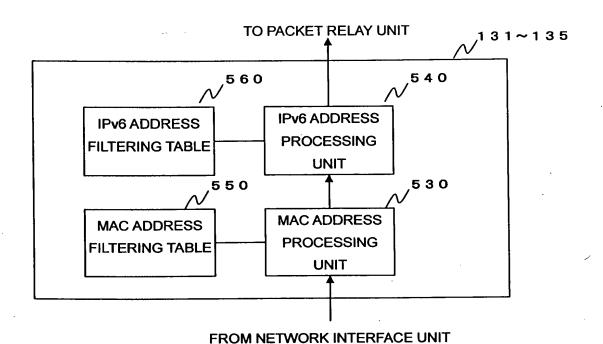


FIG.12

550		6	630
#	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	RELAY/DISCARD FLAG
1	22:22:00:11:11:11	ARBITRARY	RELAY
2	22:22:00:FF:FF:FF	ARBITRARY	RELAY
3	FF:FF:FF:FF:FF	ARBITRARY	RELAY
4	ARBITRARY	ARBITRARY	DISCARD

FIG.13 A

560		/	630
#	DESTINATION MAC ADDRESS	SOURCE IPv6 ADDRESS	RELAY/DISCARD FLAG
1	22:22:00:11:11:11	ARBITRARY	RELAY
2	22:22:00:FF:FF:FF	ARBITRARY	RELAY
3	FF:FF:FF:FF:FF	ARBITRARY	RELAY
4	ARBITRARY	ARBITRARY	DISCARD

FIG.13 B

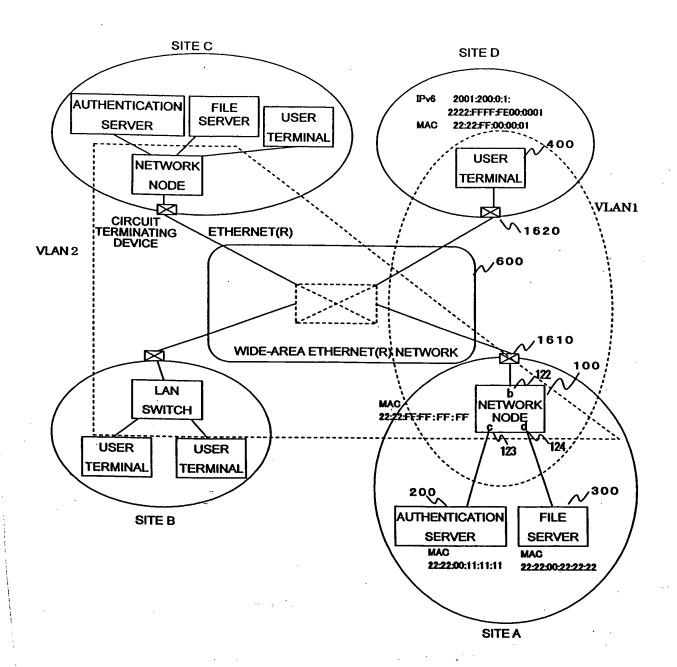


FIG.14

161	V ¹⁶²	160
MAC ADDRESS	NETWORK INTERFACE UNIT	γ
22:22:00:11:11:11	С]
22:22:FF:22:22:22	d]
22:22:00:FF:FF:FF	×	
FF:FF:FF:FF:FF	×]
22:22:FF:00:00:01	, b	

FIG.15

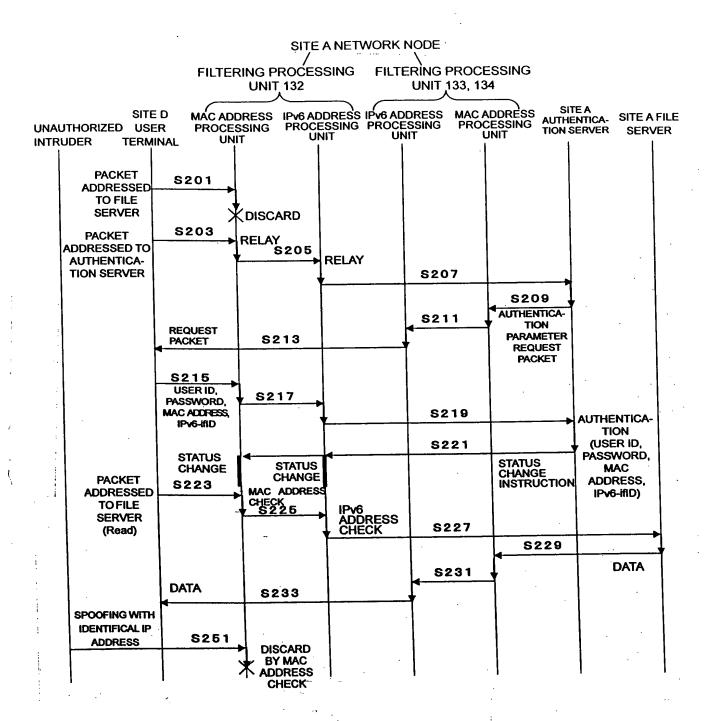


FIG.16

	5 2 0		•	
/	$\sqrt{}$	621	V ⁶²⁰ ,622	V 630
	DESTINATION MAC	/V so	URCE ADDRÉSS /V	RELAY/DISCARD
#	ADDRESS	MAC ADDRESS	IPv6 ADDRESS	FLAG
1	ARBITRARY	22:22:FF:00:00:01	2001:200:0:1:2222:FFFF:FE00:1	RELAY
2	22:22:00:11:11:11	ARBITRARY	ARBITRARY	RELAY
3	22:22:00:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
4	FF:FF:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
5	ARBITRARY	ARBITRARY	ARBITRARY	DISCARD

FIG.17

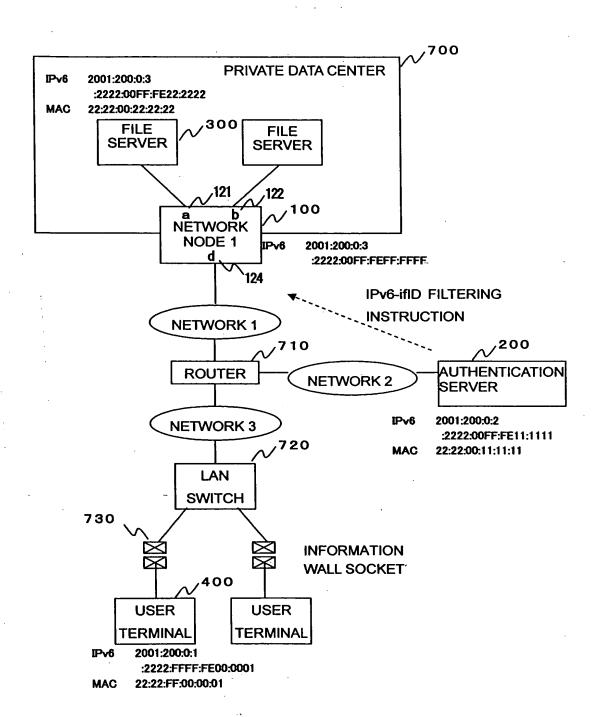


FIG.18

	520		623	30
#	DESTINATION IPv6 ADDRESS	SOURCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG	
1	ARBITRARY	ARBITRARY	DISCARD	

FIG.19 A

:		520	<i>,</i>	623	0
	#	DESTINATION IPv6 ADDRESS	SORUCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG	
:	1	ARBITRARY	2222:FFFF:FE00:1	RELAY	
	2	ARBITRARY	ARBITRARY	DISCARD	

FIG.19B

163	162	160
IPv6 INTERFACE ID	NETWORK INTERFACE UNIT	
2222:00FF:FE22:2222	а	
2222:00FF:FEFF:FFFF	у	

FIG.20A

163	√ ¹⁶²	160
IPv6 INTERFACE ID	NETWORK INTERFACE UNIT	
2222:00FF:FE22:2222	а	
2222:00FF:FEFF:FFF	у у	· ·
2222:FFFF:FE00:1	d]

FIG.20B

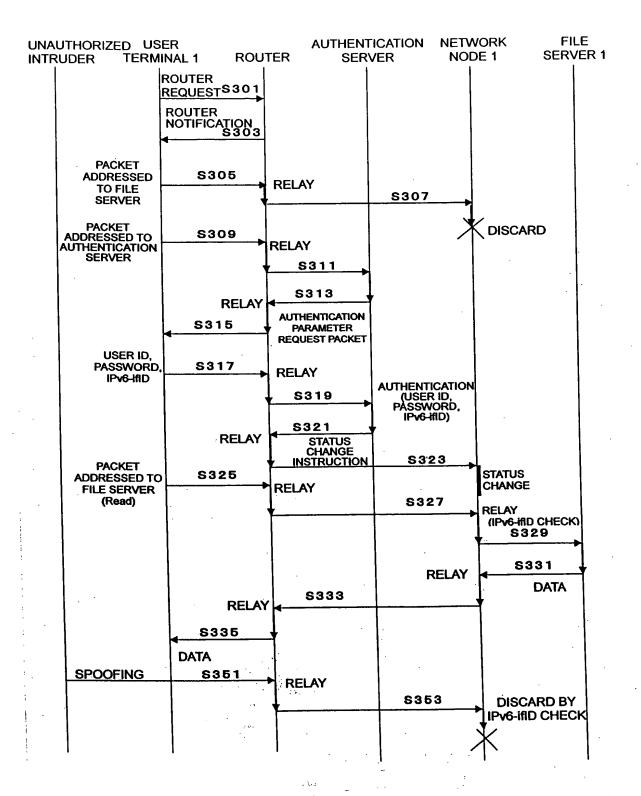


FIG.21

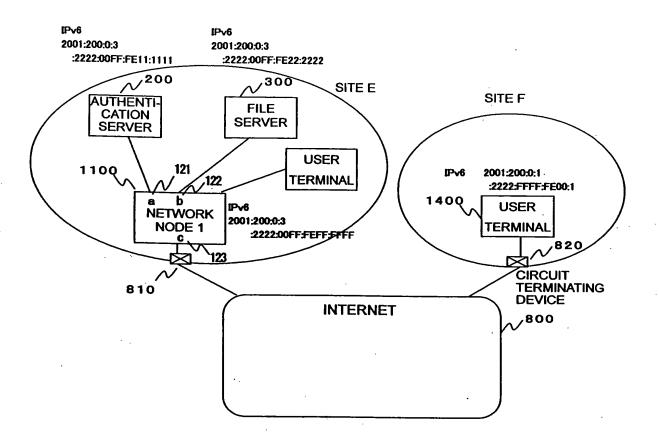


FIG.22

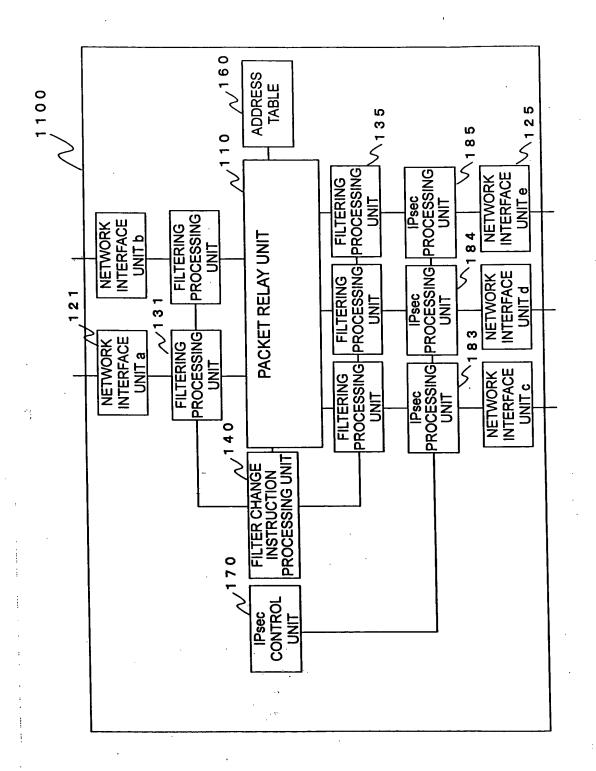


FIG.23

USER TERMINAL IPv6 ADDRESS	Pre-shared key	PRIVATE SYMMETRIC KEY	
2001:200:0:1 2222:FFFF:FE00:1	Pre-key a	Secret a	
•	Pre-key b	Secret β	
	•	•	
	•	•	

FIG.24

	520	6	630
#	DESTINATION IPv6 ADDRESS	SOURCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG
1	2001:200:0:3 :2222:00FF:FE11:1111	ARBITRARY	RELAY
2	ARBITRARY	ARBITRARY	DISCARD

FIG.25A

/	520	6 2 V	630
#	DESTINATION IPv6 ADDRESS	SOURCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG
1	ARBITRARY	2222:FFFF:FE00:1	RELAY
2	2001:200:0:3 :2222:00FF:FE11:1111	ARBITRARY	RELAY
3	ARBITRARY	ARBITRARY	DISCARD

FIG.25 B

V 163	V 162	160
IPv6 INTERFACE ID	NETWORK INTERFACE UNIT	
2222:00FF:FE11:1111	а	
2222:00FF:FE22:2222	b	
2222:00FF:FEFF:FFFF	У	

FIG.26A

/ 163 //	V 162	160
IPv6 INTERFACE ID	NETWORK INTERFACE UNIT	
2222:00FF:FE11:1111	а	
2222:00FF:FE22:2222	b	
2222:00FF:FEFF:FFFF	y	
2222:FFFF:FE00:1	c	

FIG.26B

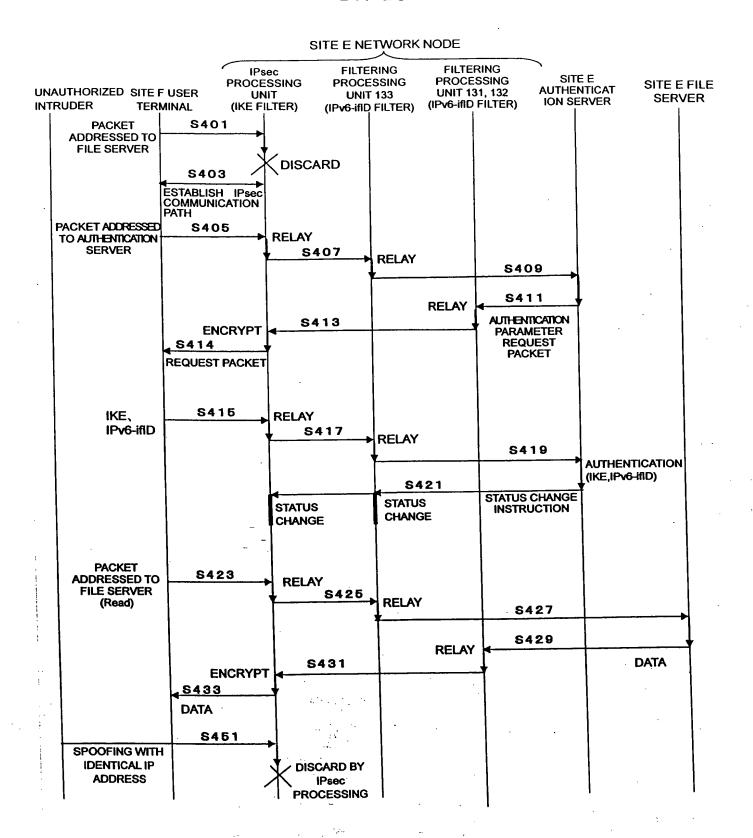


FIG.27

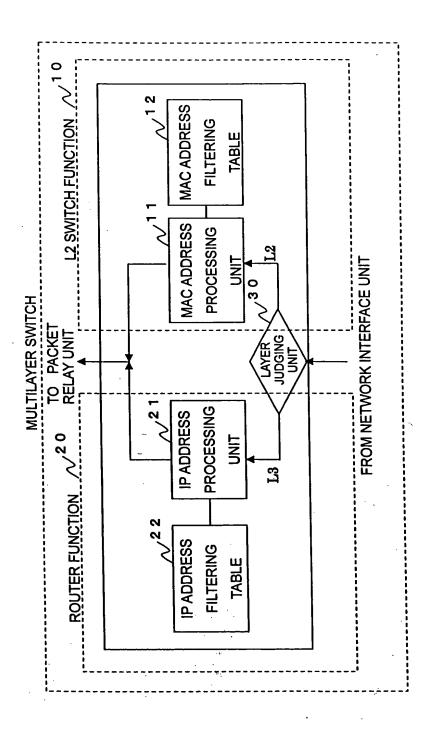


FIG.28